Title (en)

SYSTEM FOR ENERGY CONSUMPTION PREDICTION

Title (de)

SYSTEM ZUR VORHERSAGE DES ENERGIEVERBRAUCHS

Title (fr)

SYSTÈME DE PRÉVISION DE CONSOMMATION D'ÉNERGIE

Publication

EP 3362959 A1 20180822 (EN)

Application

EP 16784556 A 20161012

Priority

- GB 201518056 A 20151013
- GB 2016053165 W 20161012

Abstract (en)

[origin: GB2543281A] A computer-implemented method of generating predicted energy consumption data for a first energy consumer based on energy consumption data of a plurality of further energy consumers. Prediction is based on a set of training samples, each training sample comprising predictor attribute data and energy consumption data for a respective one of the further energy consumers, as well as one or more predictor attribute values for the first energy consumer. A predictive model is generated, defining a relationship between values of predictor attributes and energy consumption data of the training samples. Predicted energy consumption data for the first energy consumer is then determined using the predictive model and the predictor attribute values. The energy consumption data may be categorized by consumption categories such heating, lighting etc. A method of clustering energy consumption profiles is also disclosed. The predictions may be beneficial where a consumer is not equipped to provide frequent energy readings and/or the ability to track usage by category.

IPC 8 full level

G06Q 10/04 (2012.01); **G06N 20/20** (2019.01)

CPC (source: EP GB US)

G06F 16/287 (2018.12 - EP US); **G06N 7/00** (2013.01 - US); **G06N 20/00** (2018.12 - US); **G06N 20/20** (2018.12 - EP GB US); **G06Q 10/04** (2013.01 - EP GB US); **G06Q 30/0202** (2013.01 - US); **G06Q 50/06** (2013.01 - GB); G06Q 50/06 (2013.01 - EP US)

Citation (search report)

See references of WO 2017064486A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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